Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Manual	Date:	03/20/2014 10:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	Cytometer Baseline:	01/27/2014 10:46 AM
		P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 57599, Expiration Date: 09/30/2014
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124400	-1	3.17	124280	3.10
Blue	F	SSC	125000	125060	0	3.62	124837	2.95
Blue	E	FITC	20974	20095	-5	2.92	908	7.93
Blue	D	PE	25516	24931	-3	2.79	926	7.38
Blue	B	PerCP-Cy5-5	47091	45825	-3	3.40	1565	11.33
Blue	A	PE-Cy7	41727	41020	-2	5.09	896	21.03
Red	C	APC	51192	50265	-2	2.96	2947	8.35
Red	A	APC-Cy7	50012	49225	-2	3.36	1560	8.54
Violet	B	V450	15453	15261	-2	2.70	914	5.81
Violet	A	V500	60987	60325	-2	2.49	2914	4.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20490	3.59	552	-7	N/A	N/A	Pass
Blue	F	SSC	60690	2.41	463	0	N/A	N/A	Pass
Blue	E	FITC	112	28.00	496	-3	0.0396	2	Pass
Blue	D	PE	206	21.05	485	-2	0.3385	261	Pass
Blue	B	PerCP-Cy5-5	215	30.85	563	-4	0.0191	58	Pass
Blue	A	PE-Cy7	81	72.99	616	-4	0.0260	20	Pass
Red	C	APC	334	23.70	559	-2	0.0282	93	Pass
Red	A	APC-Cy7	134	31.41	538	-2	0.0079	1681	Pass
Violet	B	V450	95	34.44	439	2	0.1110	3626	Pass
Violet	A	V500	200	17.19	470	2	0.0263	361	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.79	-31.51	0.97
Blue	20.46	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.25
Red	18.80	13.07 - 19.61	N/A	N/A	32.09	32.22	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10041

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments